

Appendix C

Noise Data

TRAFFIC NOISE LEVELS

Project Number: 100000407-4
Project Name: Beach-Ellis Project

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): Future (2030) Conditions with Specific Plan
Source of Traffic Volumes: Austin-Foust
Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition	Roadway Segment	between	Land Use	Lanes	Median Width	Peak	ADT	Design	Dist. from	Alpha	Barrier	Vehicle Mix		Peak Hou	24-Hour
						Hour		Speed	Center to		Attn.	Medium	Heavy	dB(A)	dB(A)
						Volume	Volume	(mph)	Receptor'		dB(A)	Trucks	Trucks	L _{eq}	L _{dn}
	Beach Boulevard														
		Talbert Ave and Ellis Ave		8	12	0	61,490	45	125	0	0	1.8%	0.7%	0.0	71.3
		Ellis Ave and Garfield Ave		6	12	0	50,440	45	100	0	0	1.8%	0.7%	0.0	71.4
		Garfield Ave and Yorktown Ave		6	12	0	44,660	45	100	0	0	1.8%	0.7%	0.0	70.9
	Ellis Ave														
		Beach Blvd and Newland St		4	12	0	21,475	35	75	0	0	1.8%	0.7%	0.0	66.1
		Gothard St and Beach Blvd		4	12	0	6,900	35	75	0	0	1.8%	0.7%	0.0	61.2

¹ Distance is from the centerline of the roadway segment to the receptor location.

Note: Roadway segments were selected based on their proportionate share of project-related trips

